

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
28 April 2005 (28.04.2005)

PCT

(10) International Publication Number
WO 2005/037293 A1

(51) International Patent Classification⁷: **A61K 31/7016**,
31/7032, 39/002, 39/02, 39/12, 39/35, 35/12

John [AU/AU]; 18 Barrier Reef Drive, Mermaid Waters,
Queensland 4218 (AU).

(21) International Application Number:
PCT/AU2004/001429

(74) Agents: ARGAET, Victor, Peter et al.; Level 3, 303 Coro-
nation Drive, Milton, Queensland 4064 (AU).

(22) International Filing Date: 18 October 2004 (18.10.2004)

(81) Designated States (*unless otherwise indicated, for every
kind of national protection available*): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/511,745 16 October 2003 (16.10.2003) US

(71) Applicants (*for all designated States except US*):
MONASH UNIVERSITY [AU/AU]; Wellington Road,
Clayton, Victoria 3168 (AU). GRIFFITH UNIVERSITY
[AU/AU]; Office for Research, Nathan Campus, Kessels
Road, Nathan, Queensland 4111 (AU).

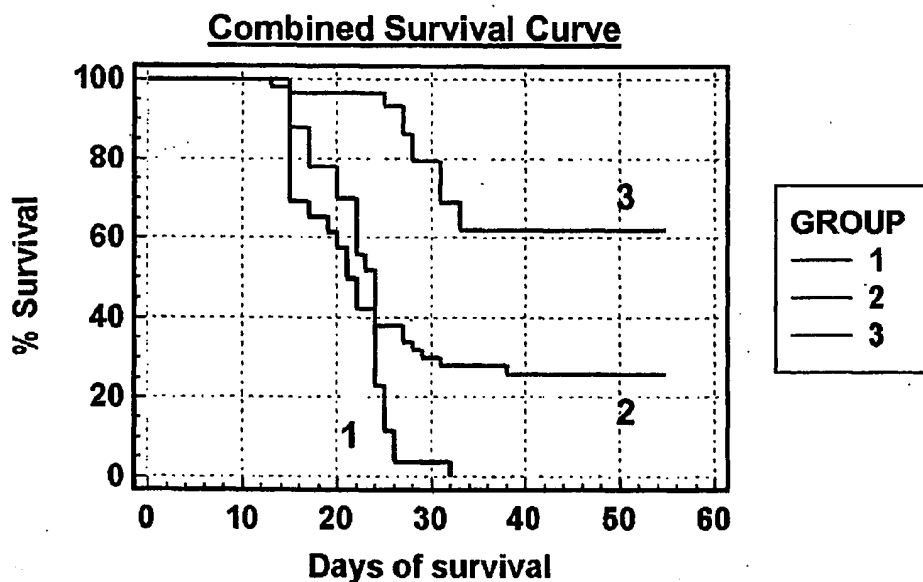
(84) Designated States (*unless otherwise indicated, for every
kind of regional protection available*): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SI, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,

(72) Inventor; and

(75) Inventor/Applicant (*for US only*): RALPH, Stephen,

[Continued on next page]

(54) Title: IMMUNOMODULATING COMPOSITIONS AND USES THEREFOR



(57) Abstract: The present invention discloses immunomodulating compositions. More particularly, the present invention discloses compositions comprising an immune-modulating agent and a lectin-interactive agent, which are useful for stimulating and prolonging host immune cell responses. The compositions of the present invention are particularly useful in the treatment and/or prophylaxis of a range of conditions including pathogenic infections, autoimmune diseases, transplant rejection, graft versus host disease, allergies, inflammatory disease, as well as cancers and tumours.

WO 2005/037293 A1



SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

Published:

— *with international search report*